

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
 Organization
 International Bureau



(43) International Publication Date
 22 January 2004 (22.01.2004)

PCT

(10) International Publication Number
WO 2004/006851 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number:
 PCT/US2003/022011
- (22) International Filing Date: 10 July 2003 (10.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
 10/194,180 13 July 2002 (13.07.2002) US
- (71) Applicant (*for all designated States except US*): **THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.** [US/US]; 630 Boyd Graduate Studies Research Center, Athens, GA 30602 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **KLEVEN, Stanley, H.** [US/US]; 172 Hickory Point Drive, Athens, GA 30606 (US). **FERGUSON, Naola** [TT/US]; 312 Timothy Road, Athens, GA 30606 (US).
- (74) Agent: **GLASGOW, JiNan**; Glasgow Law Firm, PLLC, P.O. Box 28539, Raleigh, NC 27611-8539 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
 — *without international search report and to be republished upon receipt of that report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **MYCOPLASMA GALLISEPTICUM FORMULATION**

(57) **Abstract:** The present invention provides a protective formulation that prevents virulent *Mycoplasma gallisepticum* infection in birds of the order Galliformes. The formulation comprises a protective amount of live MG strain K5054 or derivatives thereof in a pharmaceutically acceptable carrier. A vaccine that prevents virulent *Mycoplasma gallisepticum* infection in birds of the order Galliformes is also presented. Methods for administering the formulation and vaccine are also presented.

WO 2004/006851 A2